

WHAT IS CLAIMED IS:

1. A cold cathode fluorescent lamp, comprising:
 - a first substrate;
 - a plurality of electrode pairs, said plurality of electrode pairs being disposed on
5 said first substrate, each of said plurality of electrode pairs includes an X electrode
and a Y electrode;
 - a second substrate disposed above said first substrate;
 - a plurality of barrier ribs disposed between said first substrate and said second
substrate, said plurality of barrier ribs forming a plurality of gas discharge space
10 between said first substrate and said second substrate, each of said plurality of electrode
pairs corresponding to each of said plurality of gas discharge space;
 - a fluorescent material disposed on inner walls of said plurality of gas discharge
space; and
 - a discharge gas disposed in said plurality of gas discharge space.
- 15 2. The cold cathode fluorescent lamp of claim 1, wherein said plurality of
barrier ribs are comprised of strips, and the width of the bottom of the barrier ribs is
wider than that of the top of the barrier ribs.
3. The cold cathode fluorescent lamp of claim 2, wherein the cross section
of said barrier ribs is a triangle.
- 20 4. The cold cathode fluorescent lamp of claim 2, wherein the cross section
of said barrier ribs is a trapezoid.
5. The cold cathode fluorescent lamp of claim 1, wherein said plurality of
barrier ribs are comprised of dielectric materials.
6. The cold cathode fluorescent lamp of claim 1, wherein said X electrodes

of said plurality of electrode pairs are connected in parallel.

7. The cold cathode fluorescent lamp of claim 1, wherein said Y electrodes of said plurality of electrode pairs are connected in parallel.

8. The cold cathode fluorescent lamp of claim 1, wherein said plurality of electrode pairs are disposed in an order of said X electrode and said Y electrode alternately, on said first substrate.

9. The cold cathode fluorescent lamp of claim 1, wherein said plurality of electrode pairs is disposed in an order of said X electrode, said Y electrode, said Y electrode, and said X electrode, on said first substrate.

10. The cold cathode fluorescent lamp of claim 1, further comprising a dielectric layer disposed on said plurality of electrode pairs and a portion of said fluorescent material.

11. The cold cathode fluorescent lamp of claim 1, wherein said discharge gas is an inert gas.

12. The cold cathode fluorescent lamp of claim 1, wherein said inert gas includes at least one of Xe, Ne, Ar, and a mixture thereof.

13. The cold cathode fluorescent lamp of claim 1, wherein said plurality of electrode pairs is comprised of a metal.

14. The cold cathode fluorescent lamp of claim 13, wherein said metal includes at least one of Ag, Cu and Cr-Cu-Cr alloy.